



Instructions on Using AQMIS

September 18, 2007

- Launch the AQMIS homepage: www.arb.ca.gov/airqualitytoday
- From the homepage click on the topic of interest.
- Categories

1. Latest Ozone Air Quality

What do recent ozone exceedances look like?

By clicking on this link, the user can view maximum ozone concentrations for yesterday, today, and for the year to date for selected areas within the state. To obtain further details, the user can click on the items displayed as links. Details up to a specific hour of a day for an individual site can be seen.

2. Recent Year's Ozone Air Quality

How does the current ozone season compare to the previous 3 years for each of the large planning areas?

This link shows information on ozone exceedances for the last three years and includes exceedances so far in the current year for selected areas within the state. The results can be viewed at the site level if desired.

The "Click Here" at the top of the "Annual Ozone Summaries for Selected Regions" page can be used to compare partial data for each of the four years up to a specific date.

Further details on the items displayed as links can be obtained by clicking on the item. Data up to a specific hour of a day can be seen. Data are color coded: federal exceedances are highlighted in red, and state exceedances are highlighted in yellow.

Sample questions that can be answered are shown below:

- 1) **What did the basin look like for the whole year?**
Click on an underlined year to see a summary of exceedances and peak levels by site.
Click on any other underlined value to see peak values by day for the region.

2) **What did the individual sites within the basin look like on any given day?**

Click on any underlined value for a chosen day.

3) **What did the whole day look like for a given site?**

Click on any underlined value for a given day and a given site.

3. Real-Time Query Tool

What do the hourly data, daily max, and daily average concentrations look like for selected parameters?

This query tool allows you to select real-time air quality or meteorological data, a time frame, an area of the state, and the type of report. Results can be clicked through for more detail.

To utilize this tool:

Select a desired parameter (a pollutant or meteorology variable)

Select the end date and time of day. (Optional) Default is today.

Select a county, air basin, or section of state.

Select a type of report. (Optional) Default is "Week-at-a-Glance Daily Max"

Select a sort order. (Optional) Default is "Basin/County/Site"

Hit the "Retrieve Data" button.

You will be able to get hourly data, daily averages and daily max data for a week using the selection.

Sample questions that can be answered are below:

1) **What do the daily max values look like for a 7-day period for a specific region?**

Select a desired parameter (a pollutant or meteorology variable)

Select the end date and time of day. (Optional) Default is today.

Select a county, air basin, or section of state.

Select "Week at a glance – daily max" from the report selection box.

Select sort order.

Hit "Retrieve Data".

Daily max data for 7 days will be displayed.

Click on the specific site to see the daily max values for that site. Then click the specific date to see the hourly data for the site on that day.

Click "View Hourly Data for this Area" at the bottom of this page when you want to quickly display hourly data for the last day in your selected period.

2) **What do the daily average values look like for a 7-day period for a specific region?**

Select a desired parameter (a pollutant or meteorology variable)

Select the end date and time of day. (Optional) Default is today.

Select a county, air basin, or section of state.

Select "Week at a glance – daily average" from the report selection box.

Select sort order.

Hit "Retrieve Data".

Daily average data for 7 days will be displayed.

Click the specific site to see the daily average values for a specific site. Then click the specific date to see the hourly data for the site on that day.

Click "View Hourly Data for this Area" at the bottom of this page when you want to quickly display hourly data for the last day in your selected period.

3) What do the hourly values look like for a specific date for a specific region?

Select a desired parameter (a pollutant or meteorology variable)

Select the end date and time of day. (Optional) Default is today.

Select a county, air basin, or section of state.

Select "Hourly Data" from the report selection box.

Select sort order.

Hit "Retrieve Data".

Partial hourly data, daily max and daily average will be displayed.

Click the specific site to see the hourly data for a specific site.

Click "Whole Day" to see hourly data for the whole day.

4. Map Pages

Mapping is available for Ozone, PM_{2.5}, and PM₁₀ air quality parameters and for several meteorological parameters.

1. Select one air quality or meteorological parameter to view.
2. Select the county, air basin, or zip code tab.
If you select the zip code tab, type in a zip code.
If you select the county or air basin tab, select a region from the pull down list.
3. Enter the date by using the calendar or typing it in the format: mm/dd/yyyy
4. Select a start hour from the pull down list.
The available statistic for a parameter will also be listed within the "Hour" list.
5. Click on the "Refresh Map" button to display the map.
6. Zoom in into any area using the cursor.
7. Advance hourly data by using the "Advance Hour" buttons.
8. Print map pages and download data using the available click buttons.
9. Use map layers to display other desired information.

➤ Note on dynamic graphing

On any of the tabular reports, you may graph the data presented.

For site data, you are allowed to graph and compare up to four different sites.

Other reports, such as hourly, monthly, and annual data also let you graph the data on the page. Just look for the "Graph It" button.

➤ Links at the bottom of the page

1. Air Quality Index

Provides a link to sites that publish the Air Quality Index.

2. Site Information

Provides a link to detailed information on air monitoring sites. Click on the maps and pinpoint the site within the selected map area or enter the site number/name and click “Get Site Data” to get information on a specific site. Site information such as site name, number, address, longitude/latitude, start date, county, air basin, pollutants measured, site location map, and pictures can be obtained.

3. Air Quality Data

Provides a link to different sources of air quality data.

4. Emission Inventory Data

Provides a link to Emission Inventory data.

5. Air Quality, Emissions, & Modeling

Provides a link to air quality and emissions data. Users can also reach these web pages from links 3 & 4 above. This link also provides a link to air quality models which are used for forecasting purposes.